

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LAHONTAN REGION**

**MEETING OF MAY 11-12, 2006
KINGS BEACH, CALIFORNIA**

ITEM: 9

SUBJECT: EXECUTIVE OFFICER'S REPORT

DISCUSSION: The Executive Officer's report includes the following:

Enclosure 1: Report on Status of Standing Items
(May 2006)

Enclosure 2: Executive Officer's Written Report
(May 2006)

Enclosure 3: Notification of Spills (Pursuant to
Section 13271, California Water
Code and Section 25180.7,
California Health and Safety Code)

Enclosure 4: Notification of Closure of
Underground Storage Tank Cases
(Pursuant to Article 11, Division 3,
Chapter 16, Title 23, California
Code of Regulations)

ENCLOSURE 1

Report on Status of Standing Items (May 2006)

**CALIFORNIA REGIONAL WATER QUALITY
CONTROL BOARD
LAHONTAN REGION**

REPORT ON STATUS OF STANDING ITEMS

May 2006

The Regional Board has requested that it be kept informed of the status of a number of issues. The following table lists the items, the reporting frequency and where the report can be found.

ISSUE	REPORT FREQUENCY	STATUS/COMMENT
Los Angeles County Sanitation District No. 14	Monthly	Item 11 of May 2006 EO Report
Los Angeles County Sanitation District No. 20	Monthly	Item 10 of May 2006 EO Report
Tahoe Municipal Permit	Annually	Item 8 of May 2006 EO Report
Searles Valley Minerals Operations - Compliance Status	Semi-Annual	Due September 2006 Board Meeting
Mojave River/El Mirage Dairy Issues	Semi-Annual	Due September 2006 Board Meeting
Status of Basin Plan Amendments	Semi-Annual	Due September 2006 Board Meeting
Status of Grants	Semi-Annual	Due September 2006 Board Meeting
Wetland Restoration Progress in Mono County	Annually	Due November 2006 Board Meeting
Caltrans Statewide General Permit/Tahoe Basin	Annually	Due November 2006 Board Meeting

*The Municipal Permit renewal in October 2005 requires annual reports every March.

Frequency	Board Meeting Month
<i>Quarterly</i>	January, April, July, & October.
<i>Bi-Monthly</i>	Varied
<i>Semi-Annual</i>	March & September
<i>Annually</i>	Varied

ENCLOSURE 2

Executive Officer's Written Report (May 2006)



Lahontan Regional Water Quality
Control Board



EXECUTIVE OFFICER'S REPORT

May 2006

NORTH BASIN

1. ***Earth Day 2006 – Cindy Wise***

Thirty-six years ago, the first Earth Day celebration was hailed as one of the most significant grassroots efforts in the history of the United States and showed political leaders that there was broad and deep support for protecting the environment. The objective and achievement of that first Earth Day is now celebrated annually worldwide. As part of two Lake Tahoe/Truckee Earth Day celebrations in April 2006, staff presented a demonstration on links between water quality and land uses in watersheds. The Lahontan booths were at both North Shore (Village at Squaw Valley USA) and South Shore (Lake Tahoe Community College) Earth Day Festivals. Both events traditionally draw between 1,500 and 3,000 people. Educational focus areas of the festivals include watershed health, forest health, pollution prevention, alternative energy, waste management and climate change.

The Tahoe Center for Environmental Sciences (TCES) is a collaborative partnership between the University of California, Davis (UCD) and the Sierra Nevada College (SNC) to build a world-class environmental science and education center at Lake Tahoe. The Center is dedicated to research, education and public outreach on lakes and their surrounding watersheds and airsheds, and is committed to providing objective scientific information for restoration and sustainable use of the Lake Tahoe Basin. The TCES building (located on the SNC campus in Incline Village, NV) will house offices and laboratories of the UCD Tahoe Environmental Research Center, or "TERC" (formerly called the Tahoe Research Group) and offices of the Desert Research Institute; offices, laboratories and classrooms for SNC students; conference space for 150 people; and exhibits and educational programs in the Thomas J. Long Foundation Education Center (Education Center)

2. ***Tahoe Center for Environmental Sciences Education Center – Cindy Wise***

Water Board staff is participating on the Education Center Steering Committee with other scientists, educators, Tahoe locals and

interpretive display specialists to provide input and ideas for exhibits. Interpretive exhibits may include an aquarium of native fish species, interactive watershed exhibits and state-of-the-art three-dimensional visualization tools for presenting data and information about Lake Tahoe. Construction of the Education Center/TCES Center is scheduled for completion in September with the grand opening planned for October 14, 2006. More information is at <http://terc.ucdavis.edu>

3. **Tahoe 5th Graders Win Disney Environmental Challenge** – Cindy Wise

Over the past four years, staffs of the Water Board, Tahoe Resource Conservation District and United States Forest Service, have worked with fifth graders at Meyers Elementary School (now the Lake Tahoe Environmental Magnet School) to compete in Disney's Jiminy Cricket Environmental Challenge. The competition is open to all fifth grade classes in California. To compete, a class must identify a "real world" environmental challenge, then develop, implement and evaluate a project that targets that challenge while incorporating California state curriculum standards for mathematics, science, language arts, and history/social sciences.

After finishing in the top three in both 2003 and 2004, Bob Comlossy's fifth grade class at the Lake Tahoe Environmental Magnet School was selected as the State Winner of the 2006 Jiminy Cricket's

Environmentality Challenge for their project "Build it and They Will Come: Bat Houses for the Cookhouse Meadow Restoration." The project was designed to help restore and replenish the bat population at the meadow, and is part of a larger watershed restoration project.

The 32 students who participated will be going to Disneyland in May as a reward for their efforts. More than 1,000 schools from around the state entered their projects into the contest with the all-expense paid Disneyland trip awarded to the winning school. More information on the program and winning project is at <http://disney.go.com/environmentality/icec/home.html>. Way to go 5th graders!

4. **Grants for Sierra Land Acquisitions to Protect Water Quality** – Cindy Wise

Lahanton Water Board staff (along with staff from the Central Valley Water Board, Department of Water Resources, Fish and Game, Tahoe Conservancy and Sierra Nevada Conservancy) is participating on the CA Resources Agency Technical Advisory Committee (TAC) for the Proposition 50 Sierra Nevada-Cascade Conservation Grant Program. This competitive program will award grants to local public agencies, local water districts and nonprofit organizations for acquisitions to protect water quality in lakes, reservoirs, rivers, streams and wetlands in the Sierra Nevada-Cascade Mountain Region. The

region is defined as the area bounded on the east by the California Nevada border south from the Oregon border to its intersection with the crest of the White/Inyo Ranges, and includes all or parts of 26 counties. To date, staff has participated in the TAC by reviewing draft grant guidelines and assisting with public workshops held in Nevada City, Susanville and Bishop. Within the next several months, staff will review and evaluate applications. Applications are due May 12, 2006. In this first solicitation, \$15.8M of the \$30M available will be awarded, with a second solicitation planned for late 2007. More information on the program, including the solicitation notice and application, can be found at:

http://resources.ca.gov/bonds_prop50s_ncgrantsprogram.html.

5. U.S. Forest Service Activities – Doug Cushman

USFS projects within the Lahontan Region.

Non-point Source Unit staff are reviewing and preparing comments on proposed USFS projects on the Tahoe, Inyo, and Lassen National Forests (NF). The Tahoe and Lassen NF projects are timber harvest and fuels reduction projects on thousands of acres. The Tahoe NF projects are the Alder Creek fuels reduction project in the Truckee Ranger District, and the Phoenix Project in the Sierraville Ranger District. The Alder Creek project proposes to address excessive fuel loading in the Wildland/Urban Interface just outside of the town of Truckee. Water Board staff were involved with the inter-

disciplinary team meetings during project design and staff's recommendations to address cumulative impacts from the operation were incorporated into the Environmental Assessment. These recommendations included road decommissioning, yarding method selection, and riparian canopy retention. The Phoenix project is a Herger-Feinstein Quincy Library Group project that combined the former Euro and Checkmate projects. The Water Board staff filed an appeal with the Tahoe NF on the Euro Project in the summer of 2005. Water quality concerns related to this project are associated with road and temporary watercourse crossing construction, and road decommissioning. The Inyo project is related to permit renewal for numerous Commercial Pack Station operations in the Southern Sierra Nevada. Water quality concerns focus on animal holding areas, manure disposal, trail maintenance, and campsite locations.

Outreach.

Non-point Source Unit staff met with USFS personnel from the Inyo and Humboldt/Toiyabe National Forests (numerous Ranger Districts) to discuss the Water Board's approach to timber harvest, grazing, roads, and recreation management regulation. The meetings also served as an opportunity for the staff from both agencies to become familiar with one another to facilitate better communication between the agencies. Similar meetings have been arranged with District Rangers

on the Tahoe and Lassen National Forests.

USFS Pacific Southwest Region's Best Management Practice Evaluation Program (BMPEP).

The USFS Best Management Practices are the foundation for the Management Agency Agreement between the State Water Board and the USFS that was signed in 1982. Non-point Source Unit staff are reviewing and preparing an assessment of the efficacy of the BMPEP based on trends reported by the USFS. The Forest Service submitted a report on the implementation and effectiveness of a suite of Best Management Practices related to timber harvest, grazing, roads, recreation, and engineering projects. The report also proposes upgrades to the evaluation program that monitors BMP implementation.

6. *Leviathan Mine Emergency Pond 3 Treatment – Richard Booth*

Acid mine drainage (AMD) and rainwater stored in the ponds at Leviathan Mine started overflowing into Leviathan Creek on or shortly before April 13, 2006 as a result of the wettest winter in the last ten years. In March, Water Board staff began negotiations with TKT Consulting to perform emergency treatment of Pond 3 water in anticipation of the pond overflowing. On April 5, 2006 the State Water Board approved \$400,000 funding for emergency AMD treatment. TKT began working at the mine site the same day, but could not begin treatment in time to prevent overflow. TKT began treating Pond 3

water the afternoon of April 14. Within 24 hours, the water in Pond 3 reached a neutral pH (i.e., no longer acidic) and was released into Leviathan Creek as specified in the work plan approved by the USEPA.

AMD is low pH (high acid) water containing dissolved toxic metals. AMD is collected and stored in five lined evaporation ponds at the site. Due to the mine's remote mountain location, normal treatment operations are limited to the summer and fall. The ponds were treated and drained last summer and fall, thereby maximizing the capacity for containing the acid mine drainage and winter/spring precipitation. The State of California has been able to avoid pond overflows during the last six winter seasons by treating the stored acid mine drainage each summer. However, heavy, late-season precipitation over-filled the ponds in April earlier than expected.

There are other AMD discharges to Leviathan Creek. Discharges of AMD from the Channel Under-Drain and the Delta Seep occur throughout the winter and spring and introduce untreated AMD directly into Leviathan Creek at a rate of approximately 50 gpm. USEPA has assigned Atlantic Richfield responsibility for addressing these discharges.

7. *Detention Basin treatment of Hydrocarbon Compounds in Urban Stormwater – Erich Simon*

On April 6th, Water Board staff attended a South Tahoe Public Utility District Board Meeting where Nicole

Beck of 2NDNATURE presented the findings of a recent report titled "Detention Basin Treatment of Hydrocarbon Compounds in Urban Stormwater." The study focused on assessing potential hydrocarbon and nutrient (N and P) transport to groundwater via detention basin infiltration of stormwater. The basins, located at Eloise and Industrial, are both located in South Lake Tahoe. Data collection began in 2004. The presentation focused on the hydrocarbon results, specifically noting that MtBE was not detected in either the stormwater influent or down gradient groundwater samples. Additionally, the study demonstrated that the two basins investigated effectively prevented hydrocarbons detected in stormwater from being transported to the underlying aquifer.

The low levels of hydrocarbons that were detected in the stormwater influent were undetected in the underlying groundwater, except in one monitoring well. Toluene, Xylenes, and Oil and Grease were each detected once during this study in this monitoring well, which was previously used to monitor a leaking underground storage tank site near a surface street. The location of the well raised the question of whether these detections were a result of stormwater infiltration. Regardless, the levels of these hydrocarbons detected were well below water quality standards for drinking water.

The study showed some groundwater nutrient concentrations measured down-gradient from the detention basins to be elevated above up-

gradient concentrations, reinforcing the concern that detention basin treatment of stormwater may not be protecting groundwater resources from nutrient contamination.

Ms. Beck cautioned that a long-term evaluation of hydrocarbon retention capacity in regional infiltration basin has yet to be conducted. While long term monitoring has not been specifically conducted, the fact that the Eloise basin was constructed in the 1970's in an area with a relatively high groundwater table, and little or no hydrocarbon impact was observed, is promising. She further cautioned that the City's 200 or more infiltration pits (dry wells), installed for flood control purposes, may be serving as direct injection points into shallow groundwater and further study of their potential impacts is needed.

8. *Municipal NPDES Permit Update – Robert Larsen*

In October 2005 the Water Board adopted Board Order No. R6T-2005-0026 to regulate storm water discharges from the municipalities within the Lake Tahoe Basin. The Order also serves as a National Pollutant Discharge Elimination System Phase I Storm Water Permit (NPDES Permit) as required by the Federal Clean Water Act. The City of South Lake Tahoe, El Dorado County, and Placer County are co-permittees under the NPDES Permit.

The Order requires the Permittees to develop and implement comprehensive Storm Water

Management Plans (SWMPs) to address runoff from commercial, residential, construction, and industrial sources as well as conduct extensive storm water facilities inspections and perform storm water education and outreach. The Permit also requires the Permittees to submit annual reports describing storm water related activities.

The 2005 annual reports were submitted in March 2006. The three Permittees each provided required information describing the amount of traction abrasive material (sand) applied along with the amount of material recovered by vacuum truck and sweeping operations. Each Permittee also submitted detailed plans for completing its inventory of storm drain outfalls.

As required by the Municipal NPDES Permit, both Placer and El Dorado County have programs in place to inspect storm water facilities and track inspection findings and associated maintenance needs. These jurisdictions submitted reports describing inspection activities and associated findings. While these programs are well established, they

do not include the level of detail required in the permit and Water Board staff sent letters reminding El Dorado and Placer County about specific Permit requirements and requesting additional information.

In contrast, the City of South Lake Tahoe lacks an inspection tracking program and thus failed to meet inspection program tracking requirements. Water Board staff have prepared a Notice of Violation for the City's failure to comply with Municipal NPDES permit requirements and has requested a report describing how the City will develop the required inspection tracking program.

The permit requires that the 2006 annual report contain significantly more information. After developing and implementing Storm Water Management Plans this summer, the Permittees will be required to report on various program activities, including construction site inspections, commercial and industrial pollutant source identification and tracking, and education and outreach efforts.

SOUTH BASIN

9. **City of Barstow - Status of Cease and Desist Order Compliance Schedule** –Mike Coony

The Water Board adopted a Cease and Desist Order (CDO) in July 2004 for the City of Barstow (City) because its discharge had caused elevated levels of nitrogen in groundwater. The 2003 average concentration of nitrate in the discharge was 30 mg/L as N. The discharge caused elevated nitrate concentrations in groundwater and the quality in some areas exceeds the maximum contaminant level (MCL) of 10 mg/L as N. The CDO requires the City to modify its treatment and disposal facilities by July 30, 2009 to eliminate the effects of the discharge on groundwater.

The time schedule of the CDO requires the City to submit a Final Compliance Plan by August 4, 2006. The Final Compliance Plan must provide the technical details and schedules for compliance with the CDO. Water Board staff met with City representatives on March 22, 2006, and the City's consultant stated that he was aware of the requirement and was presently on schedule for submission of the Final Compliance Plan in August this year.

In a separate 13267 Order issued in October 2004, the City was to submit a remedial action plan by August 4, 2005 to address the elevated nitrate concentrations in groundwater. On November 15, 2005, the City provided its remedial action plan. Based on review of the plan, Water Board staff

sent a letter to the City noting that additional information was needed to support the conclusions and recommendations of the plan, and that the plan was also received late. In response to the letter, the City stated the report was submitted late because it had problems gaining access to off-site monitoring wells and delays in appropriating funding. City staff is requesting that the City Council allocate additional funds to prepare and submit a final remedial action plan by this July to address the Water Board comments.

10. **Los Angeles County Sanitation District No. 20 (Palmdale) and City of Los Angeles World Airports, Palmdale Water Reclamation Plant, Compliance Status** - Jehiel Cass

In April 2005, the Water Board adopted Resolution R6V-2005-0010 requesting the Dischargers to complete two items: 1) initiate a groundwater cleanup project to reduce nitrate concentrations in groundwater to less than 10 mg/L, and 2) evaluate by April 13, 2006 additional options to remediate the remaining degraded groundwater. The District is currently installing groundwater extraction wells that will be pumped as part of its groundwater cleanup project. The District submitted a report on April 13, 2006 evaluating additional options to address cleanup of the rest of the nitrate plume. Water Board staff is reviewing that report.

Water Board staff accepted the District's vadose zone monitoring system proposal for Section 14 in

March 2006 and directed the District to proceed with installation of the monitoring system. According to the District, installation should be completed by the end of June 2006 with the first samples collected in August and a completion report submitted by October 2006.

A table of reports required by Water Board Orders and the District's submittal status is included at the end of this report.

11. Los Angeles County Sanitation District No. 14 (Lancaster), Status of Compliance with Cease and Desist Order and Waste Discharge Requirements – Curt Shifrer

The Los Angeles County Sanitation District No.14 (District) has submitted an application proposing to use disinfected tertiary recycled water to grow fodder crops at a proposed site (Agriculture Site No. 1) located seven miles east of its Lancaster treatment plant site. The source of disinfected tertiary recycled water would be the existing tertiary treatment plant and a pilot tertiary treatment plant, which is currently under construction and expected to be completed by July 1, 2006. The Discharger also proposes to construct four reservoirs for storing disinfected tertiary recycled water. The proposed reservoirs are located adjacent to the treatment plant site.

The District evaluated alternatives for treatment plant design and pond construction with respect to protection of groundwater under the storage reservoirs. The evaluation considered several alternatives and provided detailed evaluation of the most feasible alternatives. The evaluation concluded

that degradation of groundwater would occur beneath the storage reservoirs under the least protective design and that no degradation was expected under the most protective design. The most protective design includes construction of the storage ponds using a synthetic liner with a total estimated cost of \$187,600,000 and the least protective design includes a compacted soil liner for the ponds and costs a total estimated cost of \$157,100,000. The facilities proposed for construction are part of initial phases described in the Discharger's Facilities Plan for treatment and disposal/recycle of flows expected through the year 2020. The proposed facilities are also a part of the District's plan to achieve compliance with Waste Discharge Requirements (WDRs) and the Cease and Desist Order (CDO) for the District.

Water Board staff has drafted Revised WDRs for disposal of this effluent at the Agriculture Site 1 and the storage ponds. The Tentative WDRs include a receiving water requirement that the discharge not cause degradation of groundwater. Tentative WDRs have been circulated for comment by the Discharger and interested parties. The District has indicated it will provide additional cost information regarding its proposed project and alternatives.

A table of reports required by Water Board Orders and the District's submittal status is included at the end of this report.

SCHEDULE OF TASKSLancaster Water Reclamation Plant (WDID 6B190107017)Los Angeles County Sanitation District 14 (District)

PERFORMANCE TASK	DUE DATE	STATUS
Required by: Waste Discharge Requirements Board Order R6V 2002-053 Board Order R6V 2002-053A1		
Chlorine Toxicity		
II.B.1.a. – Submit a plan to achieve compliance with free residual and chlorine effluent limits	May 1, 2003	Submitted
II.B.1.b. - Begin implementation of the plan	December 1, 2003	Submitted
II.B.1.c. - Achieve full compliance	August 25, 2005	Met
Ammonia Toxicity		
II.B.2 a. – Achieve interim ammonia effluent limits	August 25, 2005	Met
II.B.2.b – Achieve final ammonia limits	Upon SSO adoption/revised full compliance schedule	
Abandoned Wells		
II.B.3. – Submit work plan to identify and destroy abandoned wells	January 1, 2003	Submitted
Nuisance Condition		
II.B.4.a. - Complete project to eliminate nuisance condition created by effluent induced overflow from Paiute Ponds to Rosamond Dry Lake	August 25, 2005	Extended to October 1, 2008 according to CDO
II.B.4.a. - Submit semiannual progress status reports	July 15, 2005	Submitted
	January 15, 2006 (ongoing)	Submitted
Groundwater Monitoring		
II.B.5.a. - Submit workplan to install additional monitoring wells and piezometers	August 1, 2003	Submitted
II.B.5.b - Complete installation of wells, collect initial samples and submit draft report	August 1, 2004	Submitted Phase I
II.B.5.c - Submit final report that establishes if, and to what extent, percolation from unlined ponds affects groundwater and propose appropriate remediation measures	January 31, 2005	Phase I final report submitted
Annual Compliance Reports		
II.E.3. - Submit annual self monitoring report compliance and monitoring summary, including actions taken or planned to bring discharger into compliance	April 1, 2006 (ongoing)	Submitted

PERFORMANCE TASK	DUE DATE	STATUS
Required by: Cease and Desist Order R6V-2004-0038		
I.A. – Divert 24 MG of effluent and discharge to an alternative legal disposal point other than Paiute Ponds	Between December 1, 2004 and March 31, 2005	Less than 24 MG diverted
I.B. – Divert 150 MG of effluent and discharge to an alternative legal disposal point other than Paiute Ponds	Beginning November 1, 2005, and annually thereafter until final compliance is achieved.	Not met
I.B.1. – Submit a report of waste discharge if the Discharger decides to implement this interim measure, or	June 14, 2005	Not met. RWD incomplete.
I.B.2. – Submit proposal if the Discharger chooses to implement another compliance method	June 14, 2005	N/A
I.C. – Divert 48 MG of effluent and discharge to an alternative legal disposal point other than Paiute Ponds	Between December 1, 2005 and April 1, 2006, and annually thereafter until final compliance is achieved.	Less than 48 MG diverted
I.C.1. – Submit a report of waste discharge if the Discharger decides to implement this interim measure, or	July 12, 2005	Not met. RWD incomplete.
I.C.2. – Submit proposal if the Discharger chooses to implement another compliance method	July 12, 2005	N/A
I.D. – Divert 210 MG of effluent and discharge to an alternative legal disposal point other than Paiute Ponds	Beginning April 1, 2006, and annually thereafter until final compliance is achieved.	
I.D.1. – Submit a report of waste discharge if the Discharger decides to implement this interim measure, or	July 12, 2005	Not met. RWD incomplete.
I.D.2. – Submit proposal if the Discharger chooses to implement another compliance method	November 10, 2005	N/A
I.E. – Divert 280 MG of effluent and discharge to two permanent storage ponds for evaporative loss	Beginning October 1, 2006, and annually thereafter until final compliance is achieved.	
I.E.1. – Submit a report of waste discharge if the Discharger decides to implement this interim measure, or	May 13, 2006	
I.E.2. – Submit proposal if the Discharger chooses to implement another compliance method	May 13, 2006	
I.F. – Divert 280 MG of effluent and discharge to two temporary storage ponds for evaporative loss	Beginning October 1, 2006, and annually thereafter until final compliance is achieved.	
I.F.1. – Submit a report of waste discharge if the Discharger decides to implement this interim measure, or	May 13, 2006	

PERFORMANCE TASK	DUE DATE	STATUS
I.F.2. – Submit proposal if the Discharger chooses to implement another compliance method	May 13, 2006	
I.G. – Divert 210 MG of effluent and discharge to two permanent storage ponds for Nebeker Ranch next summer use	Beginning October 1, 2006, and annually thereafter until final compliance is achieved.	
I.G.1. – Submit a report of waste discharge if the Discharger decides to implement this interim measure, or	May 13, 2006	
I.G.2. – Submit proposal if the Discharger chooses to implement another compliance method	May 13, 2006	
I.H. – Divert 280 MG of effluent and discharge to two permanent storage ponds for evaporative loss	Beginning October 1, 2007, and annually thereafter until final compliance is achieved.	
I.H.1. – Submit a report of waste discharge if the Discharger decides to implement this interim measure, or	May 13, 2007	
I.H.2. – Submit proposal if the Discharger chooses to implement another compliance method	May 13, 2007	
Final Compliance		
II. – Eliminate the effluent-induced overflows from Paiute Ponds to Rosamond Dry Lake	October 1, 2008	
II.A.2. – Submit a report of waste discharge for the new storage and disposal sites	November 30, 2004	Submitted late
Status Report		
III. – Submit quarterly status reports until final compliance achieved	January 15, April 15, July 15, and October 15	Ongoing
Required by recent letters from the Executive Officer		
Groundwater Investigation		
Information about permission from the Air Force to drill monitoring well on Rosamond Dry Lake	June 30, 2005	Permission granted
Workplan for completing Groundwater Investigation	July 15, 2005	Submitted
Final Groundwater Investigation Report	December 15, 2005	Submitted
Nitrate Investigation Report	December 15, 2005	Submitted

SCHEDULE OF TASKS

Palmdale Water Reclamation Plant (WDID No. 6B190107069)

Los Angeles County Sanitation District 20 (District)
and
Los Angeles World Airports

PERFORMANCE TASK	DUE DATE	STATUS
Required by Cease and Desist Order R6V-2004-039 (District only)		
Interim Plant Improvements		
I.A. – Limit total effluent nitrogen to 28 mg/L	November 1, 2004 – October 31, 2005 (running 12-month average thereafter)	Not met
Limit Nitrogen		
I.B. – In 2004, limit land spreading nitrogen to 188 tons	December 31, 2004	Not met
I.C. – In 2005, limit land spreading nitrogen to 99 tons	December 31, 2005	Not met
I.D. – In 2006, limit land spreading nitrogen to 80 tons	December 31, 2006	
I.E. – In 2007, limit excess land spreading nitrogen to 80 tons	December 31, 2007	
I.F. – In 2008, limit land spreading nitrogen to 78 tons	December 31, 2008	
I.G. – Cease discharges of nitrogen to groundwater that create a condition of pollution	October 15, 2008	
Complete New Facilities		
II. – Complete facilities to remain in compliance	November 15, 2009	
Reporting		
IV.A. - Submit quarterly status reports	January 15, 2005	Submitted
	April 15, 2005	Submitted
	July 15, 2005	Submitted
	October 15, 2005	Submitted
	January 15, 2006	Submitted
	April 15, 2006	Submitted
	July 15, 2006	
October 15, 2006		
IV.B. – Submit Feasibility Study Report evaluating measures to eliminate land spreading by October 15, 2007	April 1, 2005	Submitted
Required by Cleanup and Abatement Order R6V 2003-056 (District and Airport)		
Plume Delineation		
1.1.1 – Submit a plan to delineate the nitrate plume to background levels	February 16, 2004	Submitted
1.1.2 – Complete plume delineation	August 15, 2004	In-progress
Plume Containment		

PERFORMANCE TASK	DUE DATE	STATUS
1.2.2 - Submit a final plan (including extraction well locations and pumping rates) and time schedule for containing the plume	September 15, 2004	Submitted
1.2.3 – Achieve plume containment	September 30, 2005	Not met
Plume Remediation		
1.3.1 - Submit a plan describing the proposed plume remediation describing how ground water will be restored to background or propose alternative cleanup levels pursuant to SWRCB Resolution 92-49	September 15, 2004	Submitted
1.3.2 – Implement the proposed plan for ground water extraction and agricultural irrigation (or an equally acceptable alternative)	September 15, 2005	Not met (In progress)
Abatement		
2.1 – Submit a plan describing proposed abatement actions	March 31, 2004	Submitted
Reporting		
3.2 – Submit quarterly status reports until remediation is complete including actions completed in the last three months and expected in the next three months report	January 15, 2005	Submitted
	April 15, 2005	Submitted
	July 15, 2005	Submitted
	October 15, 2005	Submitted
	January 15, 2006	Submitted
	April 15, 2006	Submitted
	July 15, 2006	
October 15, 2006		
Required by: Waste Discharge Requirements 6-00-57		
Board Order 6-00-57-A01		
Board Order 6-00-57-A02		
Board Order 6-00-57-A03		
(District only)		
Provision II.B.1. – Submit Corrective Action Plan (CAP)	January 31, 2001	Submitted
Provision II.B.2. – Submit Effluent Disposal Plan (EDP)	January 31, 2001	Submitted
Provision II.B.3. – Submit Farm Management Plan (FMP)	January 31, 2001	Submitted
Provision II.B.4 – Implement CAP, EDP, FMP	June 14, 2003	Submitted
Provision II.B.5 – Submit reports on the status of implementing the CAP, EDP, and FMP until completed	January 31, 2005	Submitted
	July 31, 2005	Submitted
Provision II.F – Submit work plan and time schedule for destroying abandoned wells in Section 15	May 30, 2004	Submitted
Provision II.D – Submit a report describing leased area and alternative disposal plan	April 29, 2005	Submitted
Discharge Specification I.B. – Submit well destruction report Sections 14 & 16	August 1, 2005	Submitted
Discharge Specification I.C. – Submit revised vadose zone monitoring plan	August 15, 2005	Submitted
Discharge Specification I.C. – Submit report documenting vadose zone installation	December 15, 2005	Submitted

PERFORMANCE TASK	DUE DATE	STATUS
Required by: Monitoring and Reporting Program 00-57-A01		
Monitoring and Reporting Program 00-57-A02		
Monitoring and Reporting Program 00-57-A03		
Monitoring and Reporting Program 00-57-A04		
(District only)		
Sampling and Analysis Plan		
A01/II.A.1 & A02/2 – Submit a Sampling and Analysis Plan	March 31, 2004	Submitted
	June 1, 2004	Submitted
Wind Speed Monitoring		
II.A.3. – Submit a Wind Speed Monitoring Plan	March 31, 2004	Submitted
Final Report		
I.E.4. – Report Completion of removing old vadose zone monitoring system	January 1, 2006	Submitted
Annual Report		
I.G.1. – Submit an Annual Cropping Plan	November 15, 2005	Submitted
Quarterly Report		
I.G.2. – Effluent Management Site Monitoring Report	January 15, 2005	Submitted
	April 15, 2005	Submitted
	July 15, 2005	Submitted
	October 15, 2005	Submitted
	February 1, 2006	Submitted
	May 1, 2006	
	August 1, 2006	
November 1, 2006		
Monthly Report		
G.3. – Recycled Water Treatment and Use Report	Monthly	Ongoing
Monthly Report		
II.B.1 – Begin submitting Monthly reports for	Monthly – 30 days following	Ongoing
- Facility Influent Monitoring		
- Facility Effluent Monitoring		
- Operation and Maintenance		
- Biosolids Disposal		
Quarterly Report		
II.B.2 – Begin submitting Quarterly reports for	February 1, 2005	Submitted
- Ground water Monitoring	May 1, 2005	Submitted
- Vadose Zone Monitoring	August 1, 2005	Submitted
- Effluent Management Site Monitoring	November 1, 2005	Submitted
- Effluent Management Site Operations	February 1, 2006	Submitted
- Chemical Use Monitoring	May 1, 2006	
	August 1, 2006	
	November 1, 2006	
Annual Report		
II.B.3. – Begin submitting Annual reports for	March 1, 2005	Submitted
- Operations & Compliance Summary	March 1, 2006	Submitted
- Certified Operator status	March 1, 2007	
- Health and Safety Compliance	March 1, 2008	
- Chemical Use Monitoring	March 1, 2009	

PERFORMANCE TASK	DUE DATE	STATUS
- Federal Biosolids Report		
Required by Resolution No. R6V-2005-0010 (District only)		
Cleanup Standards		
A. - Discharger should initiate cleanup project to reduce nitrate concentrations in groundwater to less than 10 mg/L as N, as soon as possible	As soon as possible	Not met
B. - Discharger should submit an evaluation for additional options for remediation of groundwater after the 10 mg/L as N level is achieved. Focus should be on less than 2 mg/L as N (background), which will be used to establish the final cleanup standard	April 13, 2006	Submitted
Required by recent letters from the Executive Officer (District and/or Airport)		
Submit Addendum to Vadose Zone Monitoring Plan (Requested on 6-24-04)	July 23, 2004	Submitted
Grant Extension Request for submitting Abatement Report Addendum (Request on 7-20-04)	August 2, 2004	Submitted
Provide an updated Sampling and Analysis Plan for use of Low Flow Purging (Requested on 8-6-04)	September 15, 2004	Submitted
Provide a Work Plan to evaluate effects on unlined oxidation pond leakage on ground water (Requested on 8-16-04)	September 24, 2004	Submitted
Submit Wind Speed Study Results (Requested on 5-21-04)	October 1, 2004	Submitted
Provide a Response to comments in the 3 rd Quarter 2004 CAO Status Report (Requested on 9-22-04)	October 15, 2004	Submitted
Submit Tree Farm Vadose Zone Monitoring Plan (Requested on 10-26-04)	December 6, 2004	Submitted
Submit Delineation Report Addendum (Requested on 11-10-04)	December 31, 2004	Submitted
Submit Work Plan to Investigate or Abandoned Wells (Airport only) (Requested on 12-6-04)	January 7, 2005	Submitted
Submit Work Plan and schedule for unlined ponds (Requested on 12-2-04)	January 7, 2005	Submitted
Submit time schedule to complete an Addendum to the Containment and Remediation Plan (Requested on December 28, 2004)	January 12, 2005	Submitted
Submit an Addendum to the Containment and Remediation Plan (Committed to by District staff on 1-21-05)	March 1, 2005	Submitted
Submit a detailed proposal to delineate the nitrate plume on Air Force Plant 42.	April 30, 2005	Submitted
Submit information regarding over-application of effluent to Section 15 during January to March 2005 in violation of waste discharge requirements (Requested May 27, 2005)	June 30, 2005	Submitted

PERFORMANCE TASK	DUE DATE	STATUS
Submit an assessment of whether the District expects to achieve compliance with a 12-month average total nitrogen effluent limit by November 1, 2005 for the prior 12 months (Requested May 27, 2005)	June 30, 2005	Submitted
Submit a response to Board staff comments on the Annual Cropping Plan (Requested June 13, 2005)	July 20, 2005	Submitted
Indicate if the District made no effort between September 2004 and March 2005 to gain access to Air Force Plant 42 (requested August 15, 2005)	September 15, 2005	Submitted
Propose a method for using both soil sample and vadose zone moisture data to establish total nitrogen concentrations in water lost by deep percolation. (Requested August 10, 2005)	October 21, 2005	Submitted
Submit Interim Measures and Monitoring Plan and address comments (Requested August 22, 2005)	September 30, 2005	Submitted
Submit technical Report describing options if Airport terminates Section 9 Lease (Requested September 6, 2005)	October 14, 2005	Submitted
Unauthorized Release of Secondary Treated Sewage (Requested September 7, 2005)	October 1, 2005	Submitted
Containment, Remediation Plan, Supplement No. 2, and Groundwater Monitoring Plan (Requested November 18, 2005)	December 15, 2005	Submitted
Order to submit Technical Report in accordance with Section 13267 of the California Water Code (Requested December 5, 2005)	January 10, 2006	Submitted
Request corrected tables and text for the 2006 Annual Cropping Plan (Requested January 5, 2005)	March 1, 2006	Submitted
Request field work to begin on installing new groundwater extraction wells (Requested February 15, 2006)	March 15, 2006	Submitted
Request additional vadose zone monitoring stations be installed in Section 14 (Requested March 24, 2006)	December 15, 2005	

ENCLOSURE 3

Notification of Spills (Unauthorized Waste Discharges) (May 2006)

EO'S Monthly Report
03/16/06 - 4/15/06
Unauthorized Waste Discharges

COUNTY: ALPINE

Discharger/Facility	Location	Basin	Regulated Facility	Substance Discharged	Hazardous?	Spill Date	Discharge Volume	Description of Failure	Discharge To	Prop 65	Status
SWRCB / Leviathan Mine	Leviathan Mine Pond #3	N	Y	Acid mine drainage	N	4/12/2006	5-50 gallons per minute	Pond holding acid mine drainage overflowed.	Leviathan Creek	Y	Contractors will continue drainage as soon as possible.

COUNTY: EL DORADO

Discharger/Facility	Location	Basin	Regulated Facility	Substance Discharged	Hazardous?	Spill Date	Discharge Volume	Description of Failure	Discharge To	Prop 65	Status
Private home	492 Elm, Tahoma	N	N	Raw sewage	N	3/16/2006	Approx. 2,000 gallons	Customer connected sewer line to a lateral which had a plug in it. The local water company had damaged the line and put a hole in it. Customer had been using water for a few months, and sewage had been exfiltrating out of damaged pipe.	Ground, below surface grade	N	Sewer line repaired. Utility District implementing new program to TV line before homeowner connects to main; cleanout to main to indicate viable line in good condition. No further action recommended.

COUNTY: KERN

Discharger/Facility	Location	Basin	Regulated Facility	Substance Discharged	Hazardous?	Spill Date	Discharge Volume	Description of Failure	Discharge To	Prop 65	Status
Highway Accident / Road	Hwy 58 west of Exit 167 Near Mojave	S	N	Diesel	N	3/27/2006	100 Gallons	Spill occurred after a truck ran off of the road and damaged the fuel tank.	Ground	N	Cleanup overseen by Kern Co. Environmental Health. Cleanup complete. No further action recommended.

COUNTY: LOS ANGELES

Discharger/Facility	Location	Basin	Regulated Facility	Substance Discharged	Hazardous?	Spill Date	Discharge Volume	Description of Failure	Discharge To	Prop 65	Status
So Cal Gas Co.	Off of Ave F, 3.7 miles east of 170th St, Near Palmdale	S	N	Diesel	N	3/15/2006	30-40 Gallons	Vandals damaged excavating equipment and caused release.	Ground	N	Cleanup by responsible party. Spill response report requested. No further action recommended.

COUNTY: MONO

Discharger/Facility	Location	Basin	Regulated Facility	Substance Discharged	Hazardous?	Spill Date	Discharge Volume	Description of Failure	Discharge To	Prop 65	Status
Bridgeport Public Utility District	Pump station near old sewage ponds	N	N	Raw sewage	N	3/28/2006	50,000 gallons	BPUD was working on one of the pumps that pumps waste water to treatment ponds when the other pump failed.	Old sewage ponds	N	Sewage diverted into old sewage ponds until pump repaired. Further action pending review of spill report from district.

COUNTY: PLACER

Discharger/Facility	Location	Basin	Regulated Facility	Substance Discharged	Hazardous?	Spill Date	Discharge Volume	Description of Failure	Discharge To	Prop 65	Status
Bruening and Associates (owner) / Tenants at 8817 North Lake	8817 North Lake (State Hwy 28)	N	N	Raw Sewage	N	3/31/2006	Up to 400 gallons	Discharge occurred from a private sewer cleanout. Lateral was clogged with non-flushable handi-wipes.	Storm drain	N	NTPUD used vac truck to remove as much sewage as possible between the cleanout and the drop inlet structure. Tenants are being informed on what may be flushed down toilets. No further action recommended.

COUNTY: SAN BERNARDINO

Discharger/Facility	Location	Basin	Regulated Facility	Substance Discharged	Hazardous?	Spill Date	Discharge Volume	Description of Failure	Discharge To	Prop 65	Status
City of Victorville / Sewer Line	East of Boh Lane & Odell Ave, Victorville	<input type="checkbox"/> S <input type="checkbox"/>	<input type="checkbox"/> Y <input type="checkbox"/>	Sewage	<input type="checkbox"/> N <input type="checkbox"/>	3/24/2006	750-1000 gallons	Metal pipe and lumber blocked sewerline. Sewage overflowed and spilled from manhole into Ossum Wash (dry) about 2 miles upstream from the Mojave River.	Dry Wash	<input type="checkbox"/> N <input type="checkbox"/>	Spectr-O-Cide, a liquid disinfectant, was applied to spill area. About 25 pounds of remaining trash was vacuumed. Blockage removed from lines. No further action recommended.
VVWRA interceptor / Manholes #67 and 69	Hesperia Rd, Hesperia	<input type="checkbox"/> S <input type="checkbox"/>	<input type="checkbox"/> Y <input type="checkbox"/>	Raw sewage	<input type="checkbox"/> N <input type="checkbox"/>	3/28/2006	1000 Gallons	Sewer line overflowed during the night. Debris found on ground in morning.	Ground	<input type="checkbox"/> N <input type="checkbox"/>	City of Hesperia investigating if storm water entered sewer system. Further action pending review of spill report.
City of Victorville / Sewer	Amargosa Rd Between Topanga and Placido Pd. Victorville	<input type="checkbox"/> S <input type="checkbox"/>	<input type="checkbox"/> N <input type="checkbox"/>	Sewage	<input type="checkbox"/> N <input type="checkbox"/>	4/1/2006	180 Gallons	Chunks of asphalt got into sewer line and caused blockage. Sewer overflowed. Overflow went 300 ft to catch basins.	Ground	<input type="checkbox"/> N <input type="checkbox"/>	Picked up solids and sprayed soil with Spectr-O-Cide, a disinfectant. Liquid had soaked into ground. City cleaned line. No further action recommended.
Searles Valley Minerals / Searle's Dry Lake	Trona	<input type="checkbox"/> S <input type="checkbox"/>	<input type="checkbox"/> Y <input type="checkbox"/>	Hydraulic Oil	<input type="checkbox"/> N <input type="checkbox"/>	4/6/2006	1/2 Gallon	Hydraulic line broke on scraper and oil spilled onto dry salt. Wind blew water into the contaminated dry salt.	Dry Lake Bed	<input type="checkbox"/> N <input type="checkbox"/>	Spill cleaned with absorbent material. Absorbent material put into 55 gallon drums for disposal. No further action recommended.
US Marine Corps. - Barstow Logistics Base / MCLB Barstow Nebo Domestic Wastewater Treatment Facility	NEBO Barstow	<input type="checkbox"/> S <input type="checkbox"/>	<input type="checkbox"/> Y <input type="checkbox"/>	Sewage	<input type="checkbox"/> N <input type="checkbox"/>	4/6/2006	800 gallons	Sewer was plugged with tree branches and overflowed at the manhole. Base forces attempted to clear lines. Attempt failed. City of Barstow provided larger equipment and cleared lines. Overflow went into a dry drainage ditch.	Ground	<input type="checkbox"/> N <input type="checkbox"/>	Standing water vacuumed. Chlorine applied to disinfect the spill. Remaining debris cleaned up. Management notified parents to not allow children to play with manholes. Patrols of area increased. No further action recommended.

COUNTY: SAN BERNARDINO

Discharger/Facility	Location	Basin	Regulated Facility	Substance Discharged	Hazardous?	Spill Date	Discharge Volume	Description of Failure	Discharge To	Prop 65	Status
Southern California Edison / Transformer on telephone pole	18525 Orange St., Hesperia, CA	<input type="checkbox"/> S	<input type="checkbox"/> N	Mineral Oil, Possible PCB	<input type="checkbox"/> N	4/15/2006	42 Gallons	Equipment failure caused leak from pole top transformer.	Ground	<input type="checkbox"/> N	Cleanup by contractor. No further action recommended.

ENCLOSURE 4

Notification of Closure of Underground Storage Tank Cases (May 2006)

CASE CLOSURE REPORT
May 2006
 State of California
 Lahontan Regional Water Quality Control Board

Date Closure Issued	Site Name	Site Address	Case Number	Case Type	Remaining Groundwater Concentrations above Water Quality Objectives (in ug/L)	Remaining Soil Concentrations (in mg/Kg)	Distance from Site to Nearest Receptor	Remedial Methods Used
4/3/2006	Lindsey Residence	5850 North Lake Boulevard, Carnelian Bay	6T0383A	UST	225 TPHd	168 TPHmo	1/2 mile	Not Applicable
4/12/2006	Site FTIR-27, Tank T-72	Fort Irwin	6B3600657T	UST	Not Sampled	33,000 TPH (Bunker C) 15,000 TPHd	1000' northeast (depth to water is ~220 feet bgs)	excavation

Notes:

TPHd = Total petroleum hydrocarbons quantified as diesel

TPHg = Total petroleum hydrocarbons quantified as gasoline